

## ABSTRACT

An optical information recording device includes a linear velocity setting circuit for setting a first linear velocity  $v_1$  and a second linear velocity  $v_2$  higher than the first linear velocity  $v_1$  for an optical information recording medium, a recording pulse generation circuit for generating a recording pulse signal, depending on the setting by the linear velocity setting circuit, and a laser drive circuit for irradiating the medium with the laser light based on the recording pulse signal generated by the recording pulse generation circuit. The laser drive circuit controls a power level of the laser light so that  $P_{bt1} \leq P_{e1}$  and  $P_{e2} < P_{bt2} \leq P_{wa2}$ , where  $P_{bt1}$  represents a first inter-pulse power level indicating a power level between recording pulses for the first linear velocity  $v_1$ ,  $P_{bt2}$  represents a second inter-pulse power level indicating a power level between the recording pulses for the second linear velocity  $v_2$ ,  $P_{wa2}$  represents a recording power level indicating a power level of the recording power for the second linear velocity  $v_2$ ,  $P_{e1}$  represents a first erase power level indicating a power level of the erase power for the first linear velocity  $v_1$ , and  $P_{e2}$  represents a second erase power level indicating a power level of the erase power for the second linear velocity  $v_2$ .